

**MBBS Syllabus**  
**Presented for Non-Iranian Students**

**Summer 2018**

**1<sup>st</sup> Semester:**

No.	Course	Credit				Total Credit	Total Time (Hours)	Course Code	
		Theo.	Time (Hours)	Prac.	Time (Hours)			Prerequisite	
1	Cell Physiology	0.8	14	-	-	0.8	14	-	
2	Cellular and Molecular Biochemistry	1.88	32	0.45	15	2.3	47	-	
3	Introduction to Anatomy	2.25	38	0.25	8	2.5	46	-	
4	Medical Ethics I	-	-	0.5	17	0.5	17	-	
5	History of Religions	2	34	-	-	2	34	-	
6	Physical Education I	-	-	1	34	1	34	-	
7	Persian Language and Literature	3	51	-	-	3	51	-	
8	Health Psychology	2	34	-	-	2	34	-	
9	Special English I	3	51	-	-	3	51	-	
<b>Total Credit</b>		<b>17.1</b>							

**2<sup>nd</sup> Semester:**

No.	Course	Credit				Total Credit	Total Time (Hours)	Course Code	
		Theo.	Time (Hours)	Prac.	Time (Hours)			Prerequisite	
1	Musculoskeletal Anatomy	1.8	30	0.6	20	2.4	50	Introduction to Anatomy, Cell Physiology	
2	Cardiovascular System Anatomy	1	17	0.5	16	1.5	33	Introduction to Anatomy, Cell Physiology	
3	Heart Physiology	0.45	8	0.05	2	0.5	10	Introduction to Anatomy, Cell Physiology	
4	Blood Circulation Physiology	1.1	19	0.1	4	1.2	23	Introduction to Anatomy, Cell Physiology	
5	Respiratory System Anatomy	0.47	8	0.23	8	0.7	16	Introduction to Anatomy, Cell Physiology	
6	Respiratory Physiology	0.58	10	0.12	4	0.7	14	Introduction to Anatomy, Cell Physiology	
7	Physical Education II	-	-	1	34	1	34	Physical Education I	
8	Principles of Health Services	1.5	26	-	-	1.5	26	-	
9	Discipline Biochemistry	1.26	22	0.44	15	1.7	37	Cellular and Molecular Biochemistry	
10	Medical Bacteriology	2.4	41	0.6	20	3	61	Cellular and Molecular Biochemistry, Cell Physiology	
11	Medical Ethics II	-	-	0.5	17	0.5	17	Medical Ethics I	
12	General Principles of Nutrition	2	34	-	-	2	34	Cellular and Molecular Biochemistry	
<b>Total Credit</b>		<b>16.7</b>							

**3<sup>rd</sup> Semester:**

No.	Course	Credit				Total Credit	Total Time (Hours)	Course Code Prerequisite	
		Theo.	Time (Hours)	Prac.	Time (Hours)				
1	Medical Immunology	1.76	30	0.24	8	2	38	Cellular and Molecular Biochemistry, Cell Physiology	
2	Blood Physiology	0.33	5	0.07	2	0.4	7	Cellular and Molecular Biochemistry, Cell Physiology	
3	Head and Neck Anatomy	1.2	20	0.5	17	1.7	37	Introduction to Anatomy, Cell Physiology	
4	Nervous System Anatomy	1.49	25	0.41	14	1.9	39	Introduction to Anatomy, Cell Physiology	
5	Special Senses System Anatomy	0.8	14	0.1	4	0.9	18	Introduction to Anatomy, Cell Physiology	
6	Nerves & Special Senses Physiology	1.4	24	0.1	4	1.5	28	Introduction to Anatomy, Cell Physiology	
7	Genetics	2	34	-	-	2	34	Cellular and Molecular Biochemistry, Cell Physiology	
8	Principles of Epidemiology	2	34	-	-	2	34	-	
9	Medical Ethics III	-	-	0.5	17	0.5	17	Medical Ethics 2	
10	Biophysics	1.74	30	0.24	8	2	38	-	
11	Specialized English Language II	3	51	-	-	3	51	Specialized English Language I	
<b>Total Credits</b>		<b>18</b>							

**4<sup>th</sup> Semester:**

No.	Course	Credit				Total Credit	Total Time (Hours)	Course Code
		Theo.	Time (Hours)	Prac.	Time (Hours)			Prerequisite
1	Gastrointestinal System Physiology	0.59	10	0.11	4	0.7	14	Introduction to Anatomy, Cell Physiology
2	Gastrointestinal System Anatomy	1.5	26	0.5	17	2	43	Introduction to Anatomy, Cell Physiology
3	Kidney Physiology	0.7	12	0.1	4	0.8	16	Introduction to Anatomy, Cell Physiology
4	Genitourinary System Anatomy	0.85	14	0.25	8	1.1	22	Introduction to Anatomy, Cell Physiology
5	Glands & Reproduction Physiology	1.18	20	0.12	4	1.3	24	Introduction to Anatomy, Cell Physiology
6	Endocrine Glands Anatomy	0.23	4	0.17	6	0.4	10	Introduction to Anatomy, Cell Physiology
7	Kidney Biochemistry	0.2	4	-	-	0.2	4	Physical Education I
8	Hormones Biochemistry	0.7	12	-	-	0.7	12	-
9	Medical Virology	1	17	-	-	1	17	Cellular and Molecular Biochemistry
10	Medical Ethics IV	-	-	0.5	17	0.5	17	Medical Ethics 3
11	Medical Mycology	0.88	15	0.12	4	1	19	
12	Parasitology	1.65	28	0.35	12	2	40	
13	General and Practical Pathology	3	51	1	34	4	85	
<b>Total Credits</b>		<b>15.7</b>						

### 5<sup>th</sup> Semester: Clinical Preliminaries I

No.	Course	Credit				Total Credit	Total Time (Hours)		
		Theo.	Time (Hours)	Prac.	Time (Hours)				
1	Introduction to Hematology	1.88	32	0.12	4	2	36	-	
2	Introduction to Endocrinology	1.88	32	0.12	4	2	36		
3	Introduction to Rheumatology	1.49	26	0.11	4	1.6	30		
4	Introduction to Gastrointestinal System and Hepatology	2	36	0.1	4	2.1	40		
5	Skin, Bones, Soft Tissues and Joints Pathology	0.48	8	0.12	4	0.6	12	General and Practical Pathology	
6	Gastrointestinal System Pathology	0.48	8	0.12	4	0.6	12	General and Practical Pathology	
7	Liver and Bile Tracts Pathology	0.35	6	0.05	2	0.4	8	General and Practical Pathology	
8	Hematology and Endocrinology Pathology	0.55	10	0.05	2	0.6	12	General and Practical Pathology	
9	Basic Principles of Medical Pharmacology	1	17	-	-	1	17	Biochemistry, Physiology, Nervous System Anatomy	
10	Cardiovascular & Pulmonary Drugs Pharmacology	0.6	10	-	-	0.6	10	Basic Principles of Medical Pharmacology	
11	Endocrine Drugs Pharmacology	0.5	9	-	-	0.5	9	Basic Principles of Medical Pharmacology	
12	Medical History and Physical Examination I	1	17	-	-	1	17	-	
13	Medical History and Physical Examination Clerkship I	-	-	1	51	1	51	-	
14	Introduction to Pediatrics	1	17	-	-	1	17		
15	Introduction to Surgical Diseases	0.88	15	0.12	4	1	19		
16	Clinical Reasoning of Common Signs and Symptoms Approach	0.5	8	-	-	0.5	8	-	
17	Nutrition in Diseases	1.65	28	0.35	12	2	40		
18	Epidemiology of Common Contagious Diseases	1	17	-	-	1	17	Principles of Epidemiology	
<b>Total Credits</b>		<b>19.5</b>							

## **6<sup>th</sup> Semester: Clinical Preliminaries II**

No.	Course	Credit				Total Credits	Total Time (Hours)	
		Theo.	Time (Hours)	Prac.	Time (Hours)			
1	Introduction to Cardiovascular Diseases	1.88	32	0.12	4	2	36	-
2	Introduction to Nephrology	1.5	26	0.1	4	1.6	30	
3	Introduction to Respiratory System	1.88	32	0.12	4	2	36	-
4	Cardiovascular System Pathology	0.35	6	0.05	2	0.4	8	General and Practical Pathology
5	Kidney and Upper Urinary Tracts Pathology	0.35	6	0.05	2	0.4	8	General and Practical Pathology
6	Genital System, Lower Urinary Tract, and Pathology, Breast	0.6	10	0.14	4	0.74	14	General and Practical Pathology
7	Respiratory System Pathology	0.35	6	0.05	2	0.4	8	General and Practical Pathology
8	Central and Peripheral Nervous System Pathology	0.5	8	0.06	2	0.56	10	General and Practical Pathology
9	Antimicrobial Drugs Pharmacology	0.6	10	-	-	0.6	10	Basic Principles of Medical Pharmacology
10	Neurology Drugs Pharmacology	0.7	12	-	-	0.7	12	Basic Principles of Medical Pharmacology
11	Cardiovascular & Pulmonary Drugs Pharmacology	0.6	10	-	-	0.6	10	Basic Principles of Medical Pharmacology
12	Medical History and Physical Examination II	1	17	-	-	1	17	-
13	Medical History and Physical Examination Clerkship II	-	-	1	51	1	51	-
14	Introduction to Infectious Diseases	1	17	-	-	1	17	
15	Introduction to Psychiatric Diseases	0.5	8	-	-	0.5	8	
16	Introduction to Nervous System	0.5	9	-	-	0.5	9	
17	Clinical Pathology	0.94	16	0.06	2	1	18	General and Practical Pathology
18	Biostatistics	1	17	-	-	1	17	Principles of Epidemiology
19	Pharmacotherapy of Common Diseases	2	34	-	-	2	34	
20	Clinical Immunology	1	17	-	-	1	17	
21	Common Contagious Diseases Epidemiology in Country	1	17	-	-	1	17	Principles of Epidemiology
<b>Total Credits</b>		<b>20</b>						

## Clerkship

No.	Course	Credit			Total Credits	Total time (Hours/Months)	
		Theo.	Time (Hours)	Prac.			
1	Traditional Medicine	2	34	-	2	34	
2	Internal Medicine Clerkship I and II	-		9	9	3 (Months)	
3	Cardiovascular Diseases Clerkship	-		3	3	1 (Months)	
4	Pediatrics Clerkship I and II	-		9	9	3 (Months)	
5	Theoretical Pediatrics I	4	68	-	4	68	
6	Theoretical Pediatrics I	1	17	-	1	17	
7	General Surgery Clerkship I and II	-		6	6	2 (Months)	
8	Theoretical Surgical Diseases	5	85	-	5	85	
9	Orthopedics Clerkship	-		3	3	1 (Months)	
10	Orthopedics	3	51	-	3	51	
11	Urology Clerkship	-		1.5	1.5	2 (week)	
12	Genitourinary Tract Diseases (Urology)	1	17	-	1	17	
13	Anesthesiology Clerkship	-		1.5	1.5	2 (week)	
14	Gynecology and Obstetrics Clerkship I and II	-		6	6	2 (Months)	
15	Gynecology and Obstetrics	4	68	-	4	68	
16	Community and Family Medicine Clerkship	-		3	3	1 (Months)	
17	Psychiatric Clerkship	-		3	3	1 (Months)	
18	Psychiatric Diseases	1.5	26	-	1.5	26	
19	Emergency Medicine Clerkship	-		1.5	1.5	2 (week)	
20	Radiology Clerkship	-		3	3	1 (Months)	
21	Infectious Diseases Clerkship	-		3	3	1 (Months)	
22	Infectious Diseases	2	34	-	2	34	
23	Neurology Clerkship	-		3	3	1 (Months)	
24	Neurology	1.5	26	-	1.5	26	
25	Dermatology Clerkship	-		3	3	1 (Months)	
26	Ophthalmology Clerkship	-		1.5	1.5	2 (week)	
27	ENT Clerkship	-		3	3	1 (Months)	
28	Medical Ethics	2	34	-	2	34	
29	Forensic Medicine and Poisonings	2	34	-	2	34	
30	Research Methodology and Evidence-Based Medicine	0.4	7	0.6 (19 hours)	1	26	Principles of Epidemiology, Biostatistics
31	Principles of Demography and Family Health	2	34	-	2		Principles of Health Services
<b>Total Credits</b>					<b>95</b>		